| Inde | ex of | Claim | S |
|------|-------|-------|---|
|      |       |       |   |

| Application | /Control | No. |
|-------------|----------|-----|
|-------------|----------|-----|

Applicant(s)/Patent under Reexamination

10/663,062

Examiner

MENNEKENS ET AL.

Art Unit

Prenell P. Jones

| <b>√</b> | Rejected |
|----------|----------|
| =        | Allowed  |

Claim

Original 5/21/07

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
|   |                                |

Restricted

Non-Elected N

Interference

**Appeal** Α Objected

| <b>√</b> | Rejected |  |  |  |  |  |
|----------|----------|--|--|--|--|--|
| II       | Allowed  |  |  |  |  |  |
|          |          |  |  |  |  |  |
| Date     |          |  |  |  |  |  |

| Cla   | aim            |   | _        | _            |          | Dat      | е        |              | ,        |   |
|-------|----------------|---|----------|--------------|----------|----------|----------|--------------|----------|---|
| Final | Original       |   |          |              |          |          |          |              |          |   |
|       | 51<br>52       |   |          |              |          |          |          |              |          |   |
|       | 52             |   |          |              |          |          |          |              |          |   |
|       | 53             |   |          |              |          | l        |          |              |          |   |
|       | 53<br>54<br>55 |   |          |              |          |          |          |              |          |   |
|       | 55             |   |          |              |          |          |          |              |          |   |
|       | 56<br>57       |   |          |              |          |          |          |              |          | L |
|       | 57             |   |          |              |          |          |          |              |          | L |
|       | 58             |   |          |              |          |          |          |              |          | L |
|       | 59             | <u> </u>                                    | L_       | L            |          |          |          |              |          | L |
| ,     | 60             |   |          |              |          |          |          |              |          | L |
|       | 61             |   |          |              |          |          |          |              |          |   |
|       | 62<br>63       |   |          |              |          |          |          |              |          |   |
|       | 63             |   |          |              |          |          |          |              |          |   |
|       | 64<br>65       |   |          |              |          |          |          |              |          | L |
|       | 65             |   |          |              |          |          |          |              |          |   |
|       | 66             |   |          |              |          |          |          |              |          | L |
|       | 67             |   |          |              |          |          |          |              |          |   |
|       | 68<br>69       |   |          |              |          |          |          |              |          |   |
|       | 69             |   |          |              |          |          |          |              |          |   |
|       | 70<br>71       |   |          |              |          |          |          |              |          | Γ |
|       | 71             |   |          |              |          |          |          |              |          |   |
|       | 72             |   |          |              |          |          |          |              |          |   |
|       | 73<br>74       |   |          |              |          |          |          |              |          |   |
|       | 74             |   |          |              |          |          |          |              |          |   |
|       | 75             |   |          |              |          |          |          |              |          |   |
|       | 76<br>77       |   |          |              |          |          |          |              |          | L |
|       | 77             |   |          |              |          |          |          |              |          |   |
|       | 78             |   |          |              |          |          |          |              |          |   |
|       | 79             |   |          |              |          |          |          |              |          | L |
|       | 80             | $ldsymbol{ldsymbol{ldsymbol{ldsymbol{ld}}}$ |          |              |          |          |          | $oxed{oxed}$ |          | L |
|       | 81<br>82       |   |          |              |          |          |          |              |          |   |
|       | 82             |   |          |              |          |          |          |              |          | L |
|       | 83             |   |          | $oxed{oxed}$ |          |          |          |              |          |   |
|       | 84             |   |          |              |          |          |          | <u> </u>     |          | L |
|       | 85             |   |          |              |          |          |          |              |          |   |
|       | 86             |   | L        |              |          | L        |          |              |          |   |
|       | 87             |   |          |              |          |          |          |              |          |   |
|       | 88             |   |          |              |          |          |          |              |          | L |
|       | 89             | <u>L</u>                                    | <u> </u> |              |          |          |          |              |          | L |
|       | 90             | L   |          |              | L        |          | L        | _            |          | L |
|       | 91             | L   | _        |              |          | L        | L        |              | 匚        | L |
|       | 92             | L   | <u> </u> | $oxed{oxed}$ | _        | <u> </u> | <u> </u> | <u> </u>     | <u> </u> | L |
|       | 93             |   | _        | $oxed{\Box}$ |          | L        | <u> </u> |              |          | L |
|       | 94             | L   | <u> </u> | Ш            |          | L        |          |              |          | L |
|       | 95             |   |          |              |          |          |          |              |          | L |
|       | 96             | L   |          |              |          |          | <u> </u> | _            |          | L |
|       | 97             | L   |          |              |          |          |          |              | L.       | L |
|       | 98             | <u> </u>                                    | <u> </u> |              | <u> </u> |          | <u> </u> |              | <u> </u> | L |
|       | 99             |   |          |              |          |          |          |              |          |   |

| Claim   Date     Image: Sp. December 100   Image: Sp. December 100     101   Image: Sp. December 100     102   Image: Sp. December 100     103   Image: Sp. December 100     104   Image: Sp. December 100     105   Image: Sp. December 100     106   Image: Sp. December 100     107   Image: Sp. December 100     108   Image: Sp. December 100     109   Image: Sp. December 100     110   Image: Sp. December 100     111   Image: Sp. December 100     112   Image: Sp. December 100     113   Image: Sp. December 100     114   Image: Sp. December 100     115   Image: Sp. December 100     116   Image: Sp. December 100     117   Image: Sp. December 100     118   Image: Sp. December 100     119   Image: Sp. December 100     110   Image: Sp. December 100     111   Image: Sp. December 100     111   Image: Sp. December 100     111   Image: Sp. December 100 | CI    | aim      | Date |          |  |          |  |              |             |          |          |
|--|-------|----------|------|----------|--|----------|--|--------------|-------------|----------|----------|
| 101 102   103 104   105 106   107 108   109 110   111 112   113 114   115 116   117 118   119 120   121 122   123 124   125 126   127 128   129 130   131 132   133 134   135 136   137 138   139 140   144 141   144 142   143 144  | - 01  |          |      | Ι –      | ·  | Г,       | 1  | ĭ            |             | I        |          |
| 102 103   104 105   106 107   108 109   110 111   112 113   114 115   116 117   111 118   119 120   121 122   123 124   125 126   127 128   129 130   131 132   133 134   135 136   137 138   139 140   144 142   143 144  | Final | Original |      |          |  |          |  |              |             |          |          |
| 102 103   104 105   106 107   108 109   110 111   112 113   114 115   116 117   111 118   119 120   121 122   123 124   125 126   127 128   129 130   131 132   133 134   135 136   137 138   139 140   144 142   143 144  |       | 101      |      |          | $\vdash$   |          |  |              |             | H        | _        |
| 104  |       | 102      |      |          |  |          |  |              |             | •        |          |
| 104  |       | 103      |      |          |  |          |  |              |             |          |          |
| 107  |       | 104      |      |          | <u> </u>   | <u> </u> | <u> </u>   | _            | <u> </u>    | ļ        |          |
| 107  |       | 105      |      |          |  | <u> </u> | L.   | L            |             |          |          |
| 108 109   110 111   111 112   113 114   115 116   117 118   119 120   121 121   122 123   124 125   126 127   128 129   130 131   132 133   134 135   136 137   138 139   140 141   143 144  |       | 106      |      |          | _  | <u> </u> | <u> </u>   | _            | <u> </u>    | <u> </u> |          |
| 109  |       | 107      |      |          | -  |          |  |              | <u> </u>    | <u> </u> |          |
| 110 111   111 112   113 114   115 116   117 118   119 120   121 122   123 124   125 126   127 128   129 130   131 132   133 134   135 136   137 138   139 140   143 144  |       | 100      |      |          | -  | <b> </b> | ├  | -            | -           | <u> </u> |          |
| 111 112   113 114   115 116   117 118   119 120   121 122   123 124   125 126   127 128   129 130   131 132   133 134   135 136   137 138   139 140   143 144  |       | 110      | _    | $\vdash$ | $\vdash$   | ┝        | <del>                                     </del> | $\vdash$     | ┝           | _        | _        |
| 112 113   114 115   116 117   118 119   120 121   122 123   124 125   126 127   128 129   130 131   132 133   133 134   135 136   137 138   139 140   143 144  |       | 111      |      | -        | ┢╌   | $\vdash$ | -  | $\vdash$     | <del></del> | $\vdash$ |          |
| 113 114   115 116   117 118   119 120   121 122   123 124   125 126   127 128   129 130   131 132   133 134   135 136   137 138   139 140   143 144  |       | 112      |      | -        | <del>                                     </del> | $\vdash$ |  | ┢            | ┢           |          | -        |
| 114 115   116 117   118 119   120 121   122 123   124 125   126 127   128 129   130 131   132 133   133 134   135 136   137 138   139 140   143 144  |       | 113      |      | _        | ┪  | _        | $\vdash$   | ┢            | Т           | $\vdash$ |          |
| 116 117   118 119   120 121   122 123   124 125   126 127   128 129   130 131   132 133   133 134   135 136   137 138   139 140   143 144  |       | 114      |      |          |  |          |  |              |             |          |          |
| 117 118   119 120   121 122   123 124   125 126   127 128   129 130   131 132   133 134   135 136   137 138   139 140   143 144  |       | 115      |      |          |  |          |  |              |             |          |          |
| 118 119   120 121   121 122   123 124   125 126   127 128   129 130   131 132   133 134   135 136   137 138   139 140   141 142   143 144  |       | 116      |      |          |  |          |  |              |             |          |          |
| 119 120   121 122   123 124   125 126   127 128   129 130   131 132   133 134   135 136   137 138   139 140   141 142   143 144  |       | 117      |      | <u> </u> |  |          | _  | _            |             | ļ        |          |
| 120  |       | 118      |      |          |  | <u> </u> | <u> </u>   |              | <u> </u>    |          |          |
| 122  |       | 119      |      | _        |  | <u> </u> | _  | _            | <u> </u>    | <u> </u> | _        |
| 122  |       | 120      | _    | <u> </u> |  | <u> </u> | ⊢  | _            | ⊢           | ├        |          |
| 124  |       | 121      |      | -        |  | ├        | -  |              | ├           | $\vdash$ |          |
| 124  |       | 122      | _    | ├        |  | ├        | $\vdash$   | $\vdash$     | $\vdash$    | ┝        |          |
| 125  |       | 124      | _    | $\vdash$ |  |          | $\vdash$   |              | $\vdash$    |          |          |
| 128<br>129<br>130<br>131<br>132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144  |       | 125      |      | $\vdash$ |  |          |  |              |             | ┢        |          |
| 128<br>129<br>130<br>131<br>132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144  |       | 126      |      |          |  |          |  |              |             | -        |          |
| 128<br>129<br>130<br>131<br>132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144  |       | 127      |      |          |  |          |  |              |             |          |          |
| 131<br>132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144   |       | 128      |      |          |  |          |  |              |             |          |          |
| 131<br>132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144   |       | 129      |      |          | _  |          |  | L_           |             |          |          |
| 133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144   |       | 130      |      |          |  | _        | <u> </u>   | ļ            |             | <u> </u> |          |
| 133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144   |       | 131      |      | _        | <u> </u>   |          | $\vdash$   | <u> </u>     |             | $\vdash$ |          |
| 134  |       | 132      |      | $\vdash$ | <u> </u>   | -        | <del> </del>                                     | <del> </del> |             |          |          |
| 136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144  |       | 134      |      | -        |  |          | -  | <del> </del> |             |          |          |
| 136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144  |       | 135      |      | _        | $\vdash$   |          | ┢  | $\vdash$     |             |          |          |
| 137<br>138<br>139<br>140<br>141<br>142<br>143<br>144   |       | 136      |      |          |  |          | $\vdash$   | $\vdash$     |             |          |          |
| 139<br>140<br>141<br>142<br>143<br>144   |       | 137      |      |          |  |          |  |              |             |          |          |
| 140<br>141<br>142<br>143<br>144  |       | 138      |      |          |  |          |  |              |             |          |          |
| 141  |       | 139      |      |          |  |          |  |              |             |          |          |
| 142<br>143<br>144  |       | 140      |      | _        |  |          |  | _            |             |          |          |
| 143  |       |          |      |          | $\vdash$   | _        | <u> </u>   |              |             |          |          |
| 144  |       |          |      | H        | $\vdash$   | _        | -  |              |             | _        | _        |
|  |       |          |      | -        | _  |          |  | -            |             |          |          |
|  |       |          |      | $\vdash$ | -  |          | -  |              |             | -        |          |
| 146  |       |          |      | -        | $\vdash$   |          | $\vdash$   |              |             |          | $\dashv$ |
| 147  |       |          |      |          |  |          | $\vdash$   |              | _           |          | П        |
| 148  |       | 148      |      |          |  |          |  |              |             |          |          |
| 149  |       | 149      |      |          |  |          |  |              |             |          |          |
| 150  |       | 150      |      |          | $\bar{\Box}$                                     |          |  |              |             |          |          |